

## B26F

**PERFORATING; PUNCHING; CUTTING-OUT; STAMPING-OUT; SEVERING BY MEANS OTHER THAN CUTTING** (marking-out, perforating or making buttonholes [A41H 25/00](#); shoemaking [A43D](#); surgery [A61B](#); punching metal [B21D](#); drilling metal [B23B](#); cutting of metal by applying heat locally, e.g. flame cutting, [B23K](#); cutting by abrasive fluid jets [B24C 5/02](#); details common to machines for severing [B26D](#); drilling wood [B27C](#); drilling stone [B28D](#); working of plastics or substances in a plastic state [B29](#); making boxes, cartons, envelopes or bags, of paper or similarly worked materials, e.g. metal foil, [B31B](#); of glass [C03B](#); of leather [C14B](#); of textile materials [D06H](#); for light guides [G02B 6/25](#); of tickets [G07B](#))

### Definition statement

*This place covers:*

Perforating, punching, cutting-out, stamping-out;

severing, by means other than cutting, non-metallic sheet material or metal foil in general;

severing, by means other than cutting, other forms of non-metallic materials not otherwise provided for.

### References

#### Limiting references

*This place does not cover:*

Marking-out, perforating or making buttonholes	<a href="#">A41H 25/00</a>
Punching metal	<a href="#">B21D</a>
Drilling metal	<a href="#">B23B</a>
Cutting of metal by applying heat locally, e.g. flame cutting	<a href="#">B23K</a>
Guns for cutting by abrasive fluid jets	<a href="#">B24C 5/02</a>
Details common to machines for severing	<a href="#">B26D</a>
Drilling wood	<a href="#">B27C</a>
Drilling stone	<a href="#">B28D</a>
Cutting of glass	<a href="#">C03B</a>
Cutting of leather	<a href="#">C14B</a>
Severing of textile materials	<a href="#">D06H</a>
Cutting for light guides	<a href="#">G02B 6/25</a>
Cutting of tickets	<a href="#">G07B</a>

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Manufacturing footwear	<a href="#">A43D</a>
Surgery	<a href="#">A61B</a>
Blasting with jets acting as abrasive jets, but not containing particulate material in the case of de jet milling of local recessions like e.g. grooves	<a href="#">B24C 1/04</a>

Blasting with jets acting as abrasive jets, but not containing particulate material in the case of deburring	<a href="#">B24C 1/083</a>
Blasting with jets acting as abrasive jets, but not containing particulate material in the case of removal of extended surfaces	<a href="#">B24C 1/086</a>
Working of plastics or substances in a plastic state	<a href="#">B29</a>
Making boxes, cartons, envelopes or bags, of paper or similarly worked materials, e.g. metal foil	<a href="#">B31B</a>

## Glossary of terms

*In this place, the following terms or expressions are used with the meaning indicated:*

flow drilling	Friction drilling, also commonly known by the trademarked name Flowdrilling, is a non-machining method of making holes in metal, in which the material is melted by adding high pressure and friction energy.
frame	frame is a structure surrounding a second structure
passpartout	Passe-Partout (or passepartout) is the French term for a mat, a paper or, more usually, cardboard sheet with a cutout, which is placed under the glass in a picture frame . A picture (a photo or print, drawing, etc.) is placed beneath it, with the cutout framing it. The passe-partout serves two purposes: first, to prevent the image from touching the glass, and second, to frame the image and enhance its visual appeal. The cutout in the passe-partout is usually beveled to avoid casting shadows on the picture.
squeezing	means to compress the material in a locally limited area (e.g. by a rounded edge) to such an extend, that the material is displaced and hence tensional stress is produced to such an extend that the material is severed.

## Synonyms and Keywords

*In patent documents, the word/expression in the first column is often used instead of the word/expression in the second column, which is used in the classification scheme of this place:*

"drilling"	"punching or perforating"
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## B26F 1/00

**Perforating; Punching; Cutting-out; Stamping-out; Apparatus therefor (subjecting the grinding tools or the abrading medium to vibration, e.g. grinding with ultrasonic frequency [B24B 1/04](#), perforating by sand-blasting [B24C](#); {e.g. abrasive blasting used for cutting [B24C 1/045](#)}; punching cards or tapes for statistical and record purposes [G06K 1/00](#))**

## Definition statement

*This place covers:*

Perforating, e.g. perforating of particular materials; Punching; Cutting-out; Stamping-out; Apparatus therefor; Perforating characterized by the nature of the punching tool; Hand-held perforating or punching apparatus, e.g. awls; Cutting-out or stamping-out.

## References

### Informative references

Attention is drawn to the following places, which may be of interest for search:

Subjecting the grinding tools or the abrading medium to vibration, e.g. grinding with ultrasonic frequency	<a href="#">B24B 1/04</a>
Punching cards or tapes for statistical and record purposes	<a href="#">G06K 1/00</a>

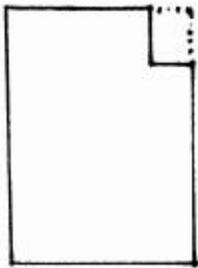
## B26F 1/12

to notch margins of work

### Definition statement

*This place covers:*

to notch margins of work



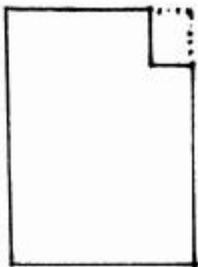
## B26F 1/165

{by flow drilling (for metal [B21C 37/292](#))}

### Definition statement

*This place covers:*

the creation of holes in substrates of non-metallic material, in which the material is melted by adding high pressure and friction energy



## References

### Limiting references

*This place does not cover:*

Flow drilling of metal	<a href="#">B21C 37/292</a>
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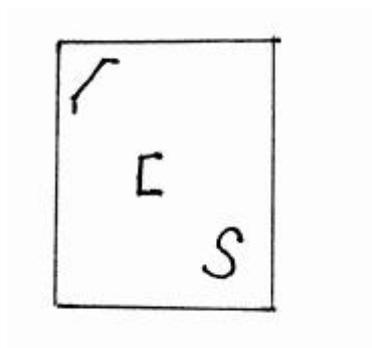
## B26F 1/22

to form non-rectilinear cuts, e.g. for tabs

### Definition statement

*This place covers:*

to form non-rectilinear cuts, e.g. for tabs



## B26F 1/26

Perforating by non-mechanical means, e.g. by fluid jet

### Definition statement

*This place covers:*

Perforating by non-mechanical means, e.g. by fluid jet like hot air or a water jet.

## References

### Limiting references

*This place does not cover:*

Needling of non woven fabrics	<a href="#">D04H 1/46</a>
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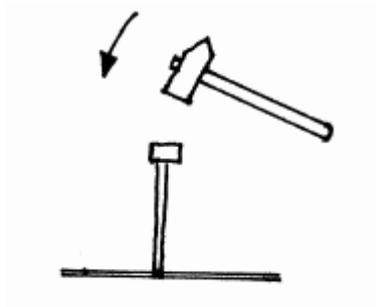
### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Thermoforming of plastic webs	<a href="#">B29C 51/00</a>
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**B26F 1/32****Hand-held perforating or punching apparatus, e.g. awls****Definition statement***This place covers:*

Hand-held perforating or punching apparatus, e.g. awls

**B26F 1/36****Punching or perforating pliers****Definition statement***This place covers:*

Punching or perforating pliers. Desktop paper punches.

**B26F 1/3853****{cutting out frames ([B26F 1/384](#), [B26F 1/40](#) and [B26F 1/44](#) take precedence)}****Definition statement***This place covers:*

Cutting out frames; Cutters of all kind for cutting out frames, e.g. for cutting out so-called "passpartouts".

**B26F 1/40****using a press, e.g. of the ram type (presses in general [B30B](#))****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Presses in general	<a href="#">B30B</a>
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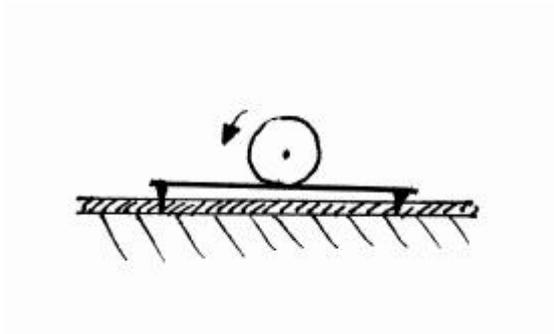
## B26F 1/42

having a pressure roller

### Definition statement

*This place covers:*

having a pressure roller e.g.



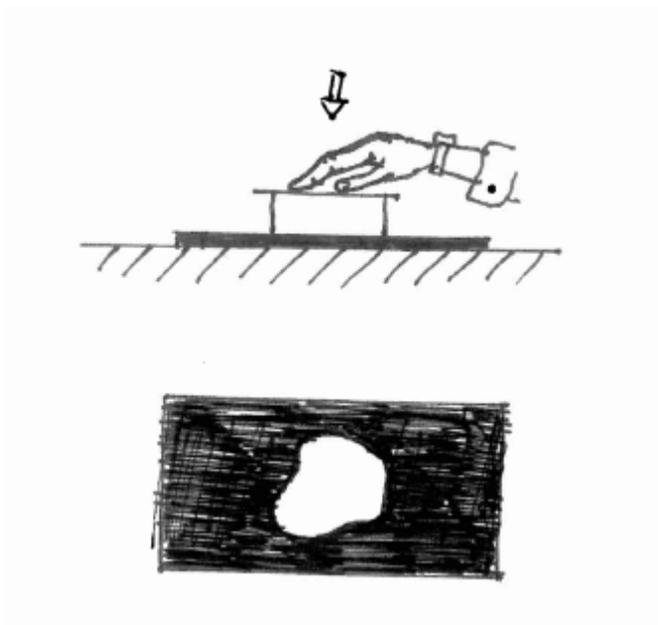
## B26F 1/46

Loose press knives

### Definition statement

*This place covers:*

Loose press knives



**B26F 3/00**

Severing by means other than cutting; Apparatus therefor (severing by grinding [B24B 27/06](#))

**References****Limiting references**

*This place does not cover:*

Severing by grinding	<a href="#">B24B 27/06</a>
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**B26F 3/004**

{by means of a fluid jet (methods for use of abrasive blasting for cutting [B24C 1/045](#); guns for abrasive fluid jets [B24C 5/02](#); perforating by non-mechanical means, e.g. by fluid jet [B26F 1/26](#))}

**References****Limiting references**

*This place does not cover:*

Perforating by non-mechanical means, e.g. by fluid jet	<a href="#">B26F 1/26</a>
Methods for use of abrasive blasting for cutting	<a href="#">B24C 1/045</a>
Guns for abrasive fluid jets	<a href="#">B24C 5/02</a>

**B26F 3/16**

by radiation (by laser beam [B23K 26/00](#))

**References****Limiting references**

*This place does not cover:*

Cutting by laser beam	<a href="#">B23K 26/00</a>
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